

What Is Claimed Is:

1. A shock-absorbing structure of a battery cover, comprising:

a battery cover which protects at least one battery; and

a plurality of shock-absorbing ribs formed on an outer surface of the battery cover.

2. A shock-absorbing structure according to claim 1, wherein the plurality of ribs are arranged parallel to each other.

3. A shock-absorbing structure according to claim 1, wherein the plurality of ribs are crossed in a lattice-like manner.

4. A shock-absorbing structure according to claim 1, further comprising:

at least one fixing member engaged with an electrode of the at least one battery; and

at least one projection which is formed on an inner surface of the battery cover and can abut against the at least one fixing member.

5. A shock-absorbing structure according to claim 4, wherein the at least one projection has an annular shape to form a hollow portion therein, and a distal end portion of the electrode is received

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5 in the hollow portion of the at least one  
6 projection.

1 6. A shock-absorbing structure according to claim  
2 4, wherein a gap between the at least one  
3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 7. A shock-absorbing structure according to claim  
2 5, wherein a gap between the at least one  
3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 8. A shock-absorbing structure according to claim  
2 4, wherein the plurality of ribs and the at least  
3 one projection are disposed substantially  
4 symmetrically with respect to a plane of the  
5 battery cover.

1 9. A shock-absorbing structure according to claim  
2 1, wherein the plurality of ribs are interconnected  
3 by at least one bulge portion formed on the battery  
4 cover.

1 10. A shock-absorbing structure according to claim  
2 9, wherein the at least one bulge portion and the

plurality of ribs project substantially to the same height.

11. A shock-absorbing structure of a battery cover, comprising:

a battery cover which protects at least one battery;

at least one fixing member engaged with an electrode of the at least one battery; and

at least one projection which is formed on an inner surface of the battery cover and can abut against the at least one fixing member.

12. A shock-absorbing structure according to claim 11, wherein the at least one projection has an annular shape to form a hollow portion therein, and a distal end portion of the electrode is received in the hollow portion of the at least one projection.

13. A shock-absorbing structure according to claim 11, wherein a gap between the at least one projection and the at least one fixing member is smaller than a gap between the electrode and the battery cover.

14. A shock-absorbing structure according to claim 12, wherein a gap between the at least one

3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 15. A shock-absorbing structure according to claim  
2 11, further comprising:

3 a plurality of shock-absorbing ribs formed on  
4 an outer surface of the battery cover.

1 16. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are arranged  
3 parallel to each other.

1 17. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are crossed in a  
3 lattice-like manner.

1 18. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs and the at least  
3 one projection are disposed substantially  
4 symmetrically with respect to a plane of the  
5 battery cover.

1 19. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are  
3 interconnected by at least one bulge portion formed  
4 on the battery cover.

20. A shock-absorbing structure according to claim  
19, wherein the at least one bulge portion and the  
plurality of ribs project substantially to the same  
height.